



Proposed Sewer Connections for Future Phase of Development

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NOTES

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- All sewers and highway drainage shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm.
- It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times.
- The outsides of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines.
- Existing flows in watercourses, sewers and land drains shall be maintained at all times.
- Only trained personnel shall be permitted to enter confined spaces.
- All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur to withstand a class 3 condition).
- All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
- Where 'Ultra Rib' UPVC pipes (or similar approved) are used in adoptable drainage they shall still be handled and laid in accordance with the specification and guidance issued by the High Performance Pipe Association.
- A Class S Bed and surround must be used for such pipes. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption cl. 4.3.4.
- Stab levels shall not be varied without reference to the Engineer for guidance.

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| <p>190224 RDE Plot 16's garden boundary removed from flood zone extent.</p> <p>240624 RDE Basin crest amended.</p> <p>211024 RDE FZ approximate extent added to suit LFA's comments.</p> <p>110224 SGI Included to latest development layout and flood levels.</p> <p>211123 SGI Included to latest development layout and flood levels.</p> <p>300922 SGI Included to latest development layout.</p> | <p>Drawing Revisions</p> <p>Number</p> <p>1</p> <p>Author</p> <p>Red Bank Newton le Willows</p> <p>Checked</p> <p>Wainhomes (North West) Limited</p> <p>Drawn</p> <p>Preliminary Drainage Layout</p> <p>Scale</p> <p>1:500</p> | <p>Ironside Farrar</p> <p>Environmental Planners</p> <p>Engineers</p> <p>Architects</p> <p>Graphic Design</p> <p>3 Wharfedale Court MANCHESTER M20 2JZ</p> <p>Tel: 0161 703 8821 Fax: 0161 703 8078</p> <p>EDINBURGH BELLSHILL</p> |
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